

Spannsätze - Locking Assemblies

7004 ECOLOC



7004 ECOLOC

lst die verlängerte Ausführung der Baureihe 7003 ECOLOC. Hier kann die Nabe aufgrund der niedrigen Pressungen besonders kostengünstig gestaltet werden (kleiner Außendurchmesser).

7004 ECOLOC

Is the extended design of series 7003 ECOLOC. Here, due to the low pressure the hub can be designed very cost-effective (small outer diameter).

Technische Hinweise Technical Information

- Oberflächen / Surface finishea Für Welle und Nabenbohrung For shafts and hub bores R_e = 1,6 µm
- Toleranzen / Toleranses

 Wir empfehlen folgende Einbaum it toleranzen

 We recommend the following mounting toleranses

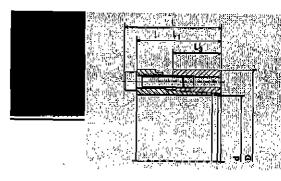
 Welle / shaft ha · Nabe / hub HB

Bestellbeispiel / Order Example:

Typ/ <i>type</i>	d x D
7004 ECOLOC	55 x 85
Reference (Control Des	Strud Bases III

				: Abmess Dimensie									hraub	
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Weltere Größen auf Anfrage/Other sizes on request





ECOLOC

1 inch = 25,4 mm • 1 ft-lbs = 1,3556 Nm • 1 lbs = 4,4482 N • 1 pal = 0,0069 N/mm⁹

Erläuterungen / Explenations

d x D, L, L₁, L₃ =

Grundabmessungen, Spannsätze ungespannt Basic dimensions, Locking Assembly In loose conditions

T = Obertragbares Orehmoment
Transmissible torques

F_{ax}= Übertragbare Axialkraft Transmissible azlal torcea

T_A = Anzugemoment Spannschraube Tightening torque screw

Pw = Flächenpressung Welle
Surface pressure between Locking
Assembly and shaft

pn = Flächenpressung Nabe Surface pressure between Locking Assembly and hub



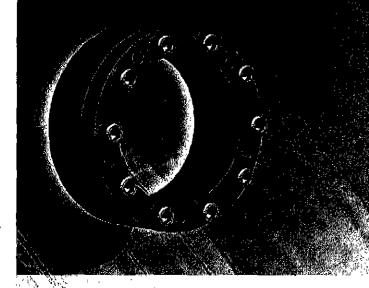
	Abmessungen <i>Dimensions</i>											nadiben
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Weltere Größen auf Anfrage/Other sizes on request



RINGFEDER® Spannsätze · Locking Assemblies

RfN 7013.0





Ausgezeichneter Rundlauf und sehr gute Demontierbarkeit mit diesen Spannsätzen wird ein besonders guter Rundlauf zwischen den verspannten Teilen erreicht. Der Flansch ist an der kritischen Stelle verstärkt, dies verhindert ein Durchbiegen und Abheben des Innenringes während der Montage. Dadurch ist eine gute Demontierbarkeit sichergestellt.

Höhere Drehzahl – die Spannsätze bielben formgenau während der Montage und sind besser für hohe Drehzahlen geelgnet. Hohe Radiallesten – aufgrund der hohen Materialfestigkeit ist der Spannsatz für hohe Radiallasten besonders geelgnet.



Kraniaufräder, Kupplungen, Zahnräder, Schwungräder, Lüfterräder

Characteristics

Excellent centering ability — due to the flat cones design of the tapered cones the RIN 7013 Locking Assemblies are self-cente-

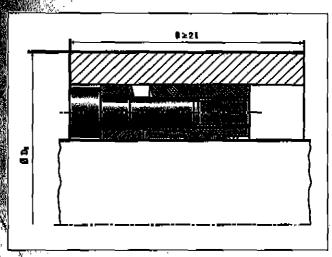
Easy trouble free essembly/removal — the reinforced flange provents the Looking Assembly from distorting when the jacking screws are used during assembly and removal.

High rotation speed - the dimensional accuracy of the RIN 7013 Locking Assemblies allows their use in applications with higher rotational speeds.

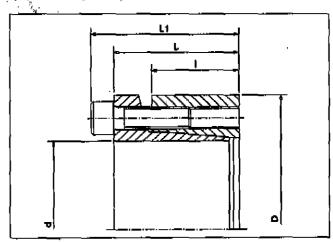
High redie: loads — the material strength of the RIN 7013 Locking Assemblies makes them especially suitable for applications with high redial loads.

Example applications: \

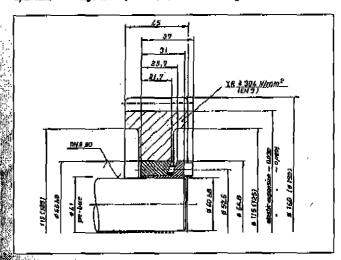
Crane running wheels, couplings, gearwheels, flywheels, fan wheels



Spennsetz / Locking Assembly RfN 7019.0 Einbausituation / Location



Spannsatz / Locking Assembly RfN 7019.0 · Maßzeichnung / Dimensions



Spannsatz / Locking Assembly RfN 7013.0 · Zahnrad / Gearwheele

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RIN 7013.0	38	65	7/
Baureilie/Series	હ	Ð	///
Beatell (1) a // (c)	Wittele Gal	ele: RfN 7013.	٥

* B a 21 erforderlich B = 21 necessery Wellere Größen auf Anfrage More alzes on request

■ Spannsetz-Einbeu / Mounting of Locking Assembly
Die Spannsätze werden leicht geölt und einbeufertig angelier
fert. Die Werte für T, F_{ext}, P_W und P_N gelten für Spannsätze im
Anlieferungszustand.

The Locking Assemblies are supplied slightly offed and ready-to-use. The values for T, F_{ab} P_W and P_N apply to installed in olled condition.

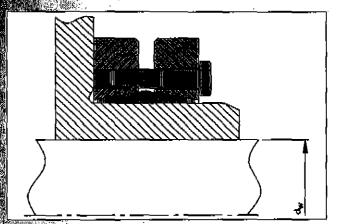
- Oberflächen / Surface finishes
 Für Welle und Nabenbohrung / For shafts and hub bores
 Ra = 1,6 μm
- Toleranzen / Tolerances
 Wir empfehlen folgende Einbautoleranzen
 We recommend the following mounting tolerances
 Welle / shaft: N8 Nabe / hub; H8
- Veränderung der Schraubenanziehdrehmomente Change of acrew tightening torques

Eine Veränderung der in der Tabelle angegebenen TA-Werte

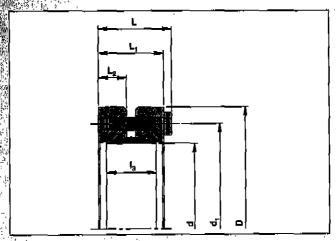
A change of the T_A-values given in the above table is inadmissible.

RINGFEDER® Schrumpfscheiben · Shrink Discs RfN 4091 Schwere Reline · Heavy Duty Series

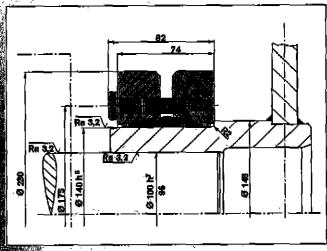




Schrumpfscheibe RINGFEDER[®] RIN 4081 · Einbausituation Shink Disc RINGFEDER[®] RIN 4081 · Lecation



Schrumpfscheibe RINGFEDER® RIN 4091 - Maßzeichnung Shrink Disc RINGFEDER® RIN 4091 - Dimensions



dungsbeispiel: Hebsi - Exemple of application; Lever

										4, 3, 10	1 		V	γ.	W 1 1 100		
	Abmegaungen Schrumptschulben Shrink Discs dimensions								Übertragbare Drehmomente oder Axialkräfte Transmissible torques or axial forces			Locking s			schrauben ng screws SO 4014-10.9	Gewicht Weight	
	d HűTűYe	o min)	a,, Siiny	a ₁ (600)		L,	L,	la New Na	T _A IO (S)	T Panaka	F _{ox}			Auzalıl Quantity	Gewinde Threud		T _{max}
	40	95	38 40 42	73	44,0	39	17	30	26	1,800 2,100 2,400	108 116 124	205	410 447	7	110 354 (1784) (1784) (1784) (1784)	1,4	2,950 2,028
		ide			44.5		79 (70) 17 A	14.30 A		200		200	511 404 457 574		M 8	Politica AVI	\$.000 (2.615.35 (3.576.37 (3.000.34
	62	115	48 62 82	64	44,5	90 30	17	30	30 ·	2.950 3.400 3.600	134 142 145	276	978 401 468	T T	M8	**************************************	3.088 4.200 4.800
	•	7.0	60 66 60	es	4	4	70 (m)	14	8	1 100 1 00 1 700	100 100 100		100 162 176		MB.		
	76	145	6 2 60 60	105	53.	48	20	36	59	4.600 8.700 7.080	199 221 240	302	403 437	7	U 10	8,0	8.750 7.126 8.760
	90			100						1700 1000 1000		3111	540 170 113 as		ůi)		
	00	180	65 70 78	119	67	50	22	40	59	8.700 9.104 9.600	217 243 200	259	3\$9 362 395	0	1 10	4,8	8,375 10,170 12,000
										200				10	.		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	110	105	78 80 89	134	87	60	26	3 0	59	11,000 12,900 14,700	308 336 352	264	316 821 360	12	M10	7,6	13.750 18.125 18.376
	121			no	, vi	7.						7117 1					
	135	212	90 96 105	172	85	77	32	80	100	16,800 21,600 27,800	420 450 631	251	390 329 338	12	U 12	10,7	22,800 27,005 34,750
										44 10 700 3 47 000 4 48 9 700 18 28,800	61 PE		117 12 13 13		Win .	16.6	14 TO 14 TO 15 TO
	155	203 *************	110 118 Secretary	197	91,6	84 5550000000	36 Incressmanner	66 Nahasaan	100 6889598	32,400 35,200	590 630	248	313 315 2020200000000000000000000000000000000	10 Personalakiansi	M12 Markanasansanasansan	19,6	40,500 41,950 683 (512)(52)
		200	120 120 120 120	rio.						440,000 440,000 72,800	710 A	91019	367				6,000
	175 ***********	300 300	130 136 % [35%	220	124	114 756978204	60 ************************************	92 500 1075%	250 :840:388	79,900 97,500 4872100055	1.280 1.284 ************************************	30) Markanawan (1997)	974 986 872 327,85	IS MARKETANINGS	410 N ari anan	30,5 446446669	99.850 106.100 556.66586688
							00			98.00 98.00 98.100	1.294 01.00 04.100 0.000						109.100 000.00 07.500 118.050
,	100	350	135 140 168	239	120	118,5	60	92	470	103.400 130.600	1,400 1,478 1,689	331	388 362 440	12	M50	55	120.250 3 163.250
			140 150 150 140	•		1	00			200 (C) 200 (C) 200 (C) 200 (C) 200 (C)	1070 100 1216 1-170		310 310 310 311	14			90 (570) 10.001 100.250
	200 Terromana	380 Divinida	180	248	122	112	60 ************************************	92 Walterstein	250	92,600 100,000	1,280 1,280	281	822 990	18	M16	60	118.825 128.000
	200	jij		2002 2002										10.0	1711		
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Bestellbeleple) / Ordering exemple.

Fortsetzung e. nächste Seite To continue see next pege